

Vinyl Rectangle Pergola Assembly Manual



Pergola Assembly Manual

Thank you for your purchase of this Pergola.

This manual is designed to simplify the assembly process, however we recommend having an experienced carpenter involved in the project. **Please read through the entire manual before starting!**

The Pergola put together for this manual was a 12x12 Vinyl Rectangle. This manual can also be used for other sizes. It took 3 men, approximately 2 hours using the tools shown below. However, it may take you longer since it will be a new project for you.

Take a deep breath and get at it; the satisfaction and enjoyment of this pergola is only a few hours away. Have fun!

You have purchased a product that consists of heavy, bulky pieces. With your purchase, you assume full responsibility to have the necessary manpower and/or equipment available to unload the items. You also agree that any damage that happens to the equipment, product, or individuals during the unloading process, or during the entire construction process, is your responsibility, and neither the seller, nor the manufacturer, will be held liable for any such damage.

Tools Required for Job



6' Step
Ladder



25' Tape
Measure



Hammer



Utility
Knife



Ratchet
& 3/4"
Socket



Hammer
Drill

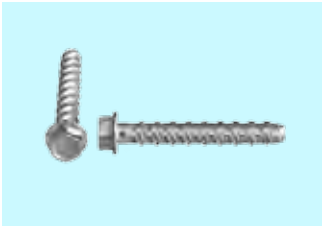


1/2" Concrete
Drill Bit

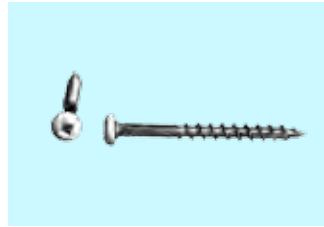


Cordless
Drill

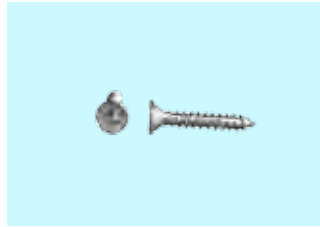
Parts Page



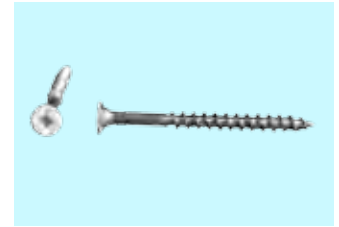
1/2" Concrete Bolt



2" White Pan Head
Screws



1. 1/4" SS Screw



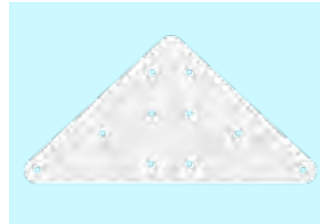
2 1/2" White Screw



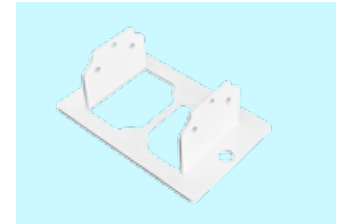
PVC Cement Glue



Square Drive Bit



Triangle Bracket



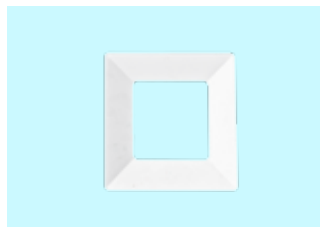
Post Bracket



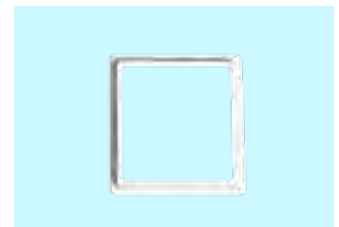
5x5 Posts



Superior Post
8x8 Sleeve



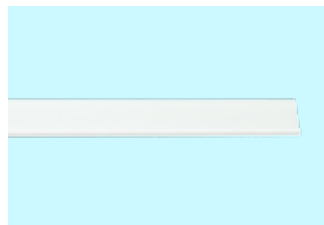
Superior Post
Top Cap



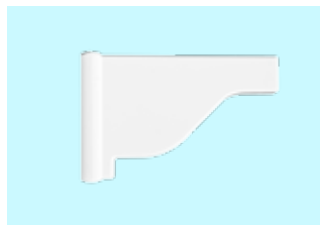
Superior Post
Floor Cover



Superior Post
Spacer Blocks



2x6 Rafter Joists



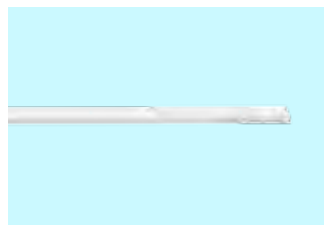
2x6 Rafter Joist Caps



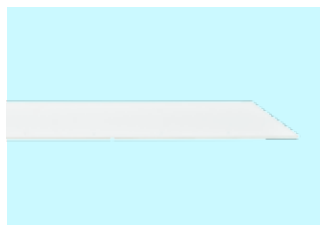
2x2 Stringer Caps



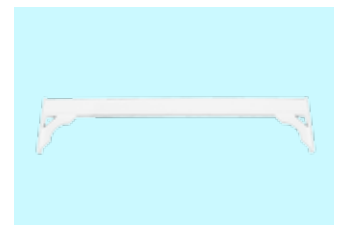
Rafter Spacer



2x2 Stringer



1x7 Top Plate



Header Section

Post and Brace Sections



- The first step in assembling your pergola is to prepare the posts.



- Begin by attaching the Post Bracket to the 5x5 Post using (6) 2" White Pan Head Screws.

-If you purchased the Superior Post option, Complete the next 3 Steps, If not skip the next 3 Steps.



-Slide the 8x8 Superior Post Sleeve over the 5x5 Post.
(As shown with Red Arrow)
Slide the Foot Cover the the Top Cap over the 8x8 Sleeve.
(Shown Yellow Arrows)



- Place (4) Spacer Blocks in the bottom of the Sleeve.



- Place (4) Spacer Blocks into the top of the Sleeve.
- Afer Completion of the entire pergola come back to the Superior Post and drive a 2.1/2" Scew into the side of 8x8 sleeve near the top. (Shown with Red arrow, Scew should be high enough to be covered by Top Cap lip, Do not over tighten.)



- Attaching Header Sections to Posts.



-Begin by placing the Header Section into place, Align evenly to the top of the post (Shown with yellow bar)



- Center the header on the post
(Shown with Red Bars)



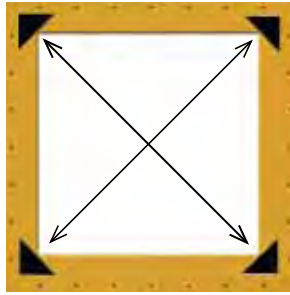
-Attach Header Section to Post using (3) 2.1/2" white screws per side .
(Shown with black arrows)

-Finish by completing the other (3) sections.

Top Plate Installation



-Install top plate sections. There are (4) 1x7 vinyl boards.



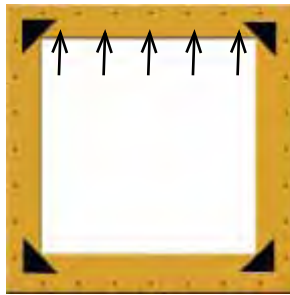
-Place the (4) Triangle Brackets on each corner of the top plate. Be sure to keep the Triangle Bracket as close to the inside edge as possible



-Attach all 4 Triangle Brackets on to the Top Plate using (8) 1.1/4" SS Screws on each Plate. (Leave the two center screw holes empty shown above with yellow arrows)



-Ensure Reveal on all four corners are equal, and centered on post. (Shown with Red Arrows)



-After Top Plate is centered on top of post structure, Fasten down the Top Plate. (See black arrows for example of spacing)



-Drive (5) 2.1/2" White screws spaced evenly across top into the Headers. **(DO NOT USE THE PRE-DRILLED HOLES THESE HOLES ARE USED LATER)**

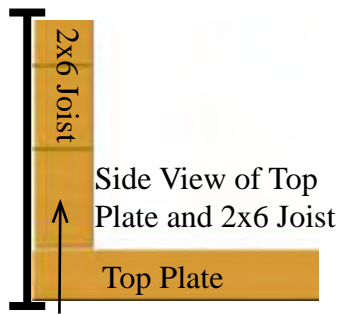


-Drive (2) 2.1/2" White Screws through remaining 2 holes in Triangle bracket.

Pergola Roof Installation



-Install the two outside 2x6 Rafter Joists first.
(2x6 locations shown with Red bars.)



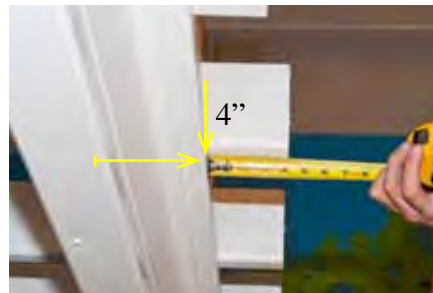
-Ensure the outside edge of the 2x6 Rafter Joist and the outside edge of the Top Plate are aligned evenly.
(As shown above with Black Bar)



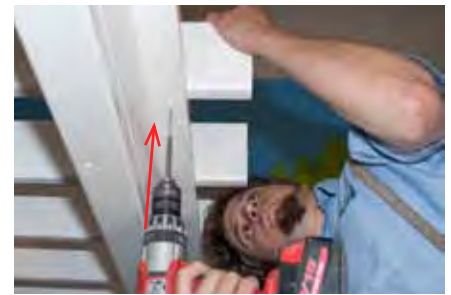
-Using a measuring tape, each 2x6 Rafter Joist must pretrude 4" out past the top plate.
(Shown with yellow arrows)
- Attach 2x6 Rafter Joist onto Top Plate using 2.1/2" White Screws through all pre drilled holes.



-Install the remaining 2x6 Rafter joists. Use the pergola top spacer board to equally space the 2x6 Rafter Joists.



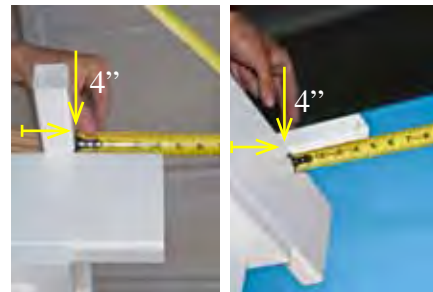
-Center 2x6 Rafter Joists onto the Pre-Drilled Holes.
-Using a measuring tape, each 2x6 Rafter Joist must pretrude 4" out past the top plate.
(Shown with yellow arrows)
- Attach 2x6 Rafter Joist onto Top Plate using 2.1/2" White Screws through each pre drilled hole.



-Attach Pergola Rafters to Top Plate through pre-drilled holes using 2 1/2" White Head Screws.
(Shown with red arrow)
Drive from the bottom up.



-Using Pergola Top Spacer place the 2x2 Stringers on top of the 2x6 Rafter Joists.



- Place 1st 2x2 Stringer 4" in from outside edge of 2x6 rafter joist.
- Using measuring tape 2x2 Stringer will pertrude 4" out past 2x6 joist.
(Show with Yellow arrows)



-Fasten each 2x2 Stringer to each 2x6 Rafter Joist using (1) 2" White pan head screw at each intersection.
CAUTION: Do not over tighten screws, you will break Plastic.

Attaching Decorative Caps



- Attach end Caps one at a time.
- Open PVC Cement Jar and apply to inside of cap .



- Place Cap on end of Pergola Rafter



CAUTION: Be careful with PVC Cement glue becomes permanent when dry and will stain clothes or ruin items glued over, We recommend finding a scrap piece of cardboard in case of glue spills. Don't Breath in fumes.



- Apply Cement on the inside of the Pergola Runner



- Insert Cap into Pergola Runner

Attaching Your Pergola to your Patio.



When attaching your Pergola to your Patio, Ensure you attach it to a solid structure. (I.e. Concrete Base, Concrete Pad, Deck etc.. Do not attach to pavers alone. Pavers will not hold your pergola down in high winds.



-Using a Hammer Drill and a 1/2" Drill Bit (Not Included). Drill into the Patio.



-Insert Included 4" Concrete Lag Bolt into hole.
-Tighten Lag Bolt.

Thank You for your Purchase and Enjoy your new Pergola.